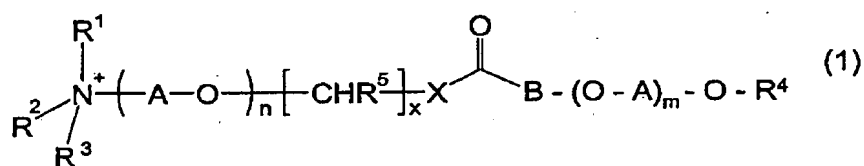


Attorney's Docket: 2003DE412Serial No.: 10/783,189Art Unit 1764

Response to Office Action mailed 03/22/2007

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.(Previously Presented) A method for inhibiting corrosion and gas hydrate formation in a mixture of hydrocarbon and water, said method comprising adding to the mixture a compound of formula (1)



where

R^1, R^2 are each independently C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl,

R^3 is C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl, $-\text{CH} \text{R}^6 \text{COO}^-$ or $-\text{O}^-$,

A is a C_2 - to C_4 -alkylene group,

B is a C_1 - to C_{10} -alkylene group,

X is O or NR^7

R^6, R^7 are each independently hydrogen, C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl,

R^4 is a C_1 - to C_{50} -alkyl, C_2 - to C_{50} -alkenyl radical, C_6 - to C_{50} -aryl or C_7 - to C_{50} -alkylaryl,

R^5 is hydrogen, $-\text{OH}$ or a C_1 - to C_4 -alkyl radical,

n, m are each independently a number from 0 to 30,

x is a number from 1 to 6.

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2.(Previously Presented) The method of claim 1, wherein A is an ethylene or propylene group.

3.(Previously Presented) The method of claim 1, wherein B is a C₂- to C₄-alkylene group.

4.(Previously Presented) The method of claim 1, wherein R¹ and R² are each independently an alkyl or alkenyl group of from 2 to 14 carbon atoms.

5.(Previously Presented) The method of claim 1, wherein R³ is an alkyl or alkenyl group having from 1 to 12 carbon atoms.

6.(Previously Presented) The method of claim 1, wherein R⁵, R⁶ and R⁷ are hydrogen.

7.(Previously Presented) The method of claim 1, wherein n is a number in the range from 1 to 10.

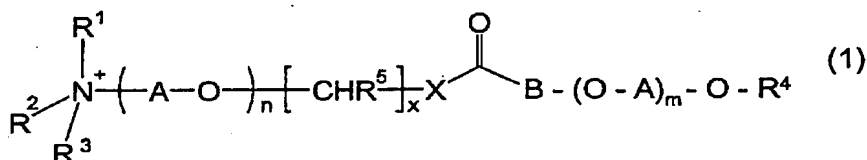
8.(Previously Presented) The method of claim 1, wherein R⁴ is an alkyl or alkenyl group having from 4 to 30 carbon atoms.

9.(Previously Presented) The method of claim 1, wherein x is 2 or 3.

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10.(Previously Presented) The method of claim 1, wherein a concentration of the compound of claim 1 in the mixture is between 5 and 5 000 ppm.

11.(Previously Presented) A compound of formula (1)



where

R^1, R^2 are each independently C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl,

R^3 is C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl, $-\text{CHR}^8\text{COO}^-$ or $-\text{O}^-$,

A is a C_2 - to C_4 -alkylene group,

B is a C_1 - to C_{10} -alkylene group,

X is O or NR^7

R^6, R^7 are each independently hydrogen, C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl,

R^4 is a C_1 - to C_{50} -alkyl, C_2 - to C_{50} -alkenyl radical, C_6 - to C_{50} -aryl or C_7 - to C_{50} -alkylaryl,

R^5 is hydrogen, $-\text{OH}$ or a C_1 - to C_4 -alkyl radical,

n, m are each independently a number from 0 to 30,

x is a number from 1 to 6.